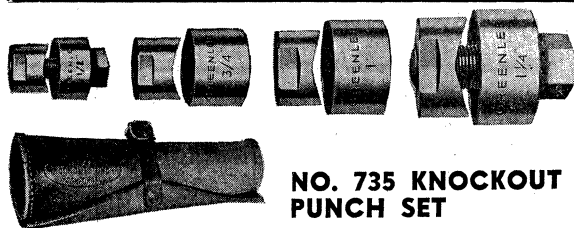




# KNOCKOUT PUNCHES AND CUTTERS

Greenlee Tool Co., Rockford, Illinois

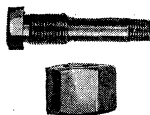


## NO. 735 KNOCKOUT PUNCH SET

Designed primarily for the electrical trade to permit fast, easy enlarging of knockouts and cutting of holes for conduit in metal boxes and cabinets. Also excellent for automobile work where holes are needed for heater pipes and other accessories. Simply insert the tool in a knockout or small drilled hole and give the screw a few turns with an ordinary wrench. No. 735 set has four punches for cutting  $\frac{7}{8}$ ,  $1\frac{1}{2}$ ,  $1\frac{1}{2}$ ,  $1\frac{1}{2}$ -inch holes for  $\frac{1}{2}$ ,  $\frac{3}{4}$ , 1,  $1\frac{1}{4}$ -inch conduit. Set is neatly packed in leather case illustrated. The  $\frac{1}{2}$ -inch punch will cut a  $\frac{7}{8}$ -inch hole for  $\frac{1}{2}$ -inch conduit where no standard knockout is provided when a  $\frac{7}{8}$  hole is drilled.

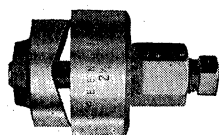
## Heavy Duty Drive for $\frac{1}{2}$ " Punch

To increase length of service of the  $\frac{1}{2}$ -inch Knockout Punch in cutting  $\frac{7}{8}$ -inch holes in heavier-gauge sheet metals, the No. 1387 AV Drive Screw with No. 1388 AV Drive Nut illustrated is recommended.



## NO. 737 KNOCKOUT PUNCH SET

Similar to the No. 735 set, but consists of only two punches for cutting holes to accommodate  $1\frac{1}{2}$ " and 2" conduit. Packed in leather case.



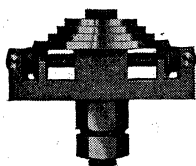
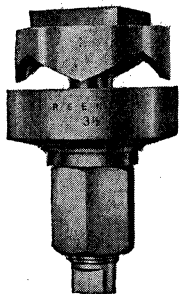
## NOS. 738 AND 739 KNOCKOUT PUNCHES

For cutting holes to accommodate  $2\frac{1}{2}$ " and 3" conduit. Design is similar to that of smaller GREEN-

LEE Knockout Punches: insert in a knockout or drilled hole and turn drive nut with an ordinary wrench. Packed and sold individually.

## NOS. 741 AND 742 KNOCKOUT PUNCHES

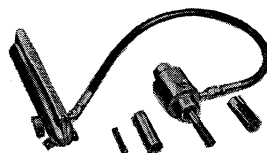
For quickly making smooth openings for  $3\frac{1}{2}$ " and 4" conduit. Hole is clean, no filing of burrs necessary. Operation is similar to that of other GREENLEE Knockout Punches. Simply insert in hole for 1" conduit and turn drive nut with an ordinary wrench.



## No. 740 Knockout Cutter

Companion tool to GREENLEE Knockout Punches. Enlarges knockouts to take  $1\frac{1}{2}$ , 2,  $2\frac{1}{2}$  and 3-inch conduit. Operation is simple since an ordinary wrench drives the tool. Cutting is done by the drive action of two wheel cutters. Special discs

can be furnished for cutting odd sizes of holes from  $1\frac{1}{8}$  to  $3\frac{1}{2}$ -inch diameter. Packed in leather case.



## NO. 7646 HydraRam KNOCKOUT PUNCH DRIVER

A powerful portable hydraulic unit for driving all GREENLEE Knockout Punches. Also drives GREENLEE Radio Chassis Punches using  $\frac{3}{8}$ " or larger drive screws. Quickly, easily cuts holes in 10-gauge metal. Excellent for use in tight places. Packed in metal case. List price complete, \$86.50. Weight, 20 lbs.

## KNOCKOUT PUNCHES — LIST PRICES AND WEIGHTS (IN POUNDS)

	Hole Size	Price	Weight
No. 735 Knockout Punch Set Complete...		\$10.00	2½
AV121 $\frac{1}{2}$ " Punch .....	$\frac{7}{8}$ "	1.25	$\frac{1}{8}$
AV122 $\frac{1}{2}$ " Die .....	$\frac{7}{8}$ "	.65	$\frac{1}{8}$
AV322 $\frac{3}{8}$ " x $1\frac{1}{4}$ " Drive Screw...		.25	$\frac{1}{8}$
AV123 $\frac{3}{4}$ " Punch .....	$1\frac{1}{8}$ "	1.45	$\frac{1}{8}$
AV124 $\frac{3}{4}$ " Die .....	$1\frac{1}{8}$ "	.80	$\frac{1}{8}$
AV125 1" Punch .....	$1\frac{1}{8}$ "	1.65	$\frac{1}{8}$
AV126 1" Die .....	$1\frac{1}{8}$ "	.95	$\frac{3}{8}$
AV127 $1\frac{1}{4}$ " Punch .....	$1\frac{1}{8}$ "	1.90	$\frac{1}{8}$
AV128 $1\frac{1}{4}$ " Die .....	$1\frac{1}{8}$ "	1.05	7/16
AV249 $\frac{3}{4}$ " x $2\frac{1}{2}$ " Drive Screw....		.35	$\frac{3}{8}$
Heavy Duty Drive for $\frac{1}{2}$ " Punch Complete .....		\$1.10	$\frac{3}{4}$
AV1387 Heavy Duty Drive Screw..		.75	$\frac{3}{8}$
AV1388 Heavy Duty Drive Nut....		.35	$\frac{3}{8}$
No. 737 Knockout Punch Set Complete...		\$10.00	3½
AV439 $1\frac{1}{2}$ " Punch .....	$1\frac{1}{2}$ "	2.30	$\frac{1}{2}$
AV440 $1\frac{1}{2}$ " Die .....	$1\frac{1}{2}$ "	2.00	$\frac{5}{8}$
AV441 2" Punch .....	$2\frac{1}{2}$ "	3.20	$\frac{7}{8}$
AV442 2" Die .....	$2\frac{1}{2}$ "	2.50	1
AV304 $\frac{3}{4}$ " x $3\frac{1}{2}$ " Drive Screw....		.50	7/16
No. 738 Knockout Punch Complete....		\$14.00	4¼
AV1429 $2\frac{1}{2}$ " Punch .....	$2\frac{1}{2}$ "	5.40	1¾
AV1430 $2\frac{1}{2}$ " Die .....	$2\frac{1}{2}$ "	5.00	1½
AV1433 Drive Nut .....		1.35	$\frac{1}{8}$
AV1434 $\frac{3}{4}$ " x $5\frac{1}{2}$ " Drive Screw...		2.75	$\frac{7}{8}$
No. 739 Knockout Punch Complete....		\$19.00	6½
AV1431 3" Punch .....	$3\frac{1}{2}$ "	8.00	2½
AV1432 3" Die .....	$3\frac{1}{2}$ "	7.50	2½
AV1433 Drive Nut .....		1.35	$\frac{1}{8}$
AV1434 $\frac{3}{4}$ " x $5\frac{1}{2}$ " Drive Screw ...		2.75	$\frac{7}{8}$
No. 741 Knockout Punch Complete....		\$39.00	10¾
AV2981 $3\frac{1}{2}$ " Die .....	4"	14.00	3¾
AV2982 $3\frac{1}{2}$ " Punch .....	4"	18.00	3
AV3026 $1\frac{1}{2}$ " x $7\frac{1}{2}$ " Drive Screw...		6.00	2¼
AV3036 Drive Nut .....		2.00	1¼
AV3037 Bushing .....		2.25	$\frac{5}{8}$
No. 742 Knockout Punch Complete....		\$48.00	12¾
AV2983 4" Die .....	$4\frac{1}{2}$ "	18.00	3½
AV2984 4" Punch .....	$4\frac{1}{2}$ "	24.00	4½
AV3026 $1\frac{1}{2}$ " x $7\frac{1}{2}$ " Drive Screw...		6.00	2¼
AV3036 Drive Nut .....		2.00	1¼
AV3037 Bushing .....		2.25	$\frac{5}{8}$
No. 740 Knockout Cutter Complete....		\$15.00	4½
AV323 Lock Screw (2) .....		.30	
AV324 Wheel Cutter (2) .....		.50	
AV325 Feed Nut .....		.20	
AV326 Disc for $1\frac{1}{2}$ " Conduit ....		.70	
AV2021 Disc for 2" Conduit .....		.80	
AV2022 Disc for $2\frac{1}{2}$ " Conduit ....		1.00	
AV2023 Disc for 3" Conduit .....		1.20	
AV327 Body .....		5.00	
AV328 Center Shaft ( $\frac{3}{4}$ " diameter)		.80	
AV329 Drive Nut .....		.80	
AV330 Retainer Screw (2) .....		.45	
AV331 Cutter Bushing (2) .....		.25	
AV332 Cutter Support (2) .....		.65	
AV333 Key Washer .....		.25	
669GB Woodruff Key .....		.05	

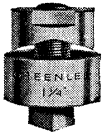


# RADIO CHASSIS PUNCHES

## ROUND, SQUARE, "KEY" AND "D" TYPES

Greenlee Tool Co., Rockford, Illinois

### No. 730 ROUND PUNCH



No. 730

Swiftly cuts clean, accurate holes in radio chassis for sockets, switches, controls and other equipment. Operates simply with an ordinary wrench for drive power . . . just insert in a small drilled hole and turn drive screw. No reaming or filing . . . hole is smooth, perfect. Thirteen sizes from  $\frac{1}{2}$ " to  $2\frac{1}{4}$ " diameter.

### No. 731 SQUARE PUNCH



No. 731

Cuts square or oblong openings as desired. Available in three sizes for making  $\frac{5}{8}$ ",  $\frac{3}{4}$ " and 1" square holes. Drive screw fits into  $\frac{1}{2}$ " hole, which can be drilled or made with  $\frac{1}{2}$ " No. 730 Greenlee Round Punch. Operates with an ordinary wrench for drive power. Individually packed.

### No. 732 "KEY" PUNCH



No. 732

Quickly, easily cuts holes for keyed radio sockets. Operates on same principle as other Greenlee Radio Chassis Punches . . . an ordinary wrench supplies the drive power. In four sizes to make openings of  $1\frac{1}{4}$ ",  $1\frac{1}{2}$ ",  $1\frac{3}{4}$ ",  $2\frac{1}{4}$ ". Drive screw fits into  $\frac{1}{2}$ " hole. Individually packed.

### No. 733 "D" PUNCH



No. 733

Simplifies and speeds the work of making "D" shaped openings for high-frequency, miniature tube sockets and other equipment using this type opening. Available in  $\frac{1}{2}$ " and  $\frac{5}{8}$ " sizes. Operates on same principle as other Greenlee Radio Chassis Punches with an ordinary wrench supplying the drive power. Drive screw fits into  $\frac{3}{8}$ " drilled hole. Individually packed.

#### NO. 730 RADIO PUNCHES — LIST PRICES AND WEIGHTS (WTS. IN OZ.)

	Price	Wt.
$\frac{1}{2}$ " No. 730 Radio Punch Complete.....	\$2.15	1 $\frac{3}{4}$
AV-1760 $\frac{1}{2}$ " Punch .....	1.25	$\frac{3}{4}$
AV-1759 $\frac{1}{2}$ " Die .....	.65	$\frac{3}{4}$
AV-1675 $\frac{1}{2}$ " Screw .....	.25	$\frac{3}{4}$
$\frac{5}{8}$ " No. 730 Radio Punch Complete.....	2.15	2 $\frac{1}{4}$
AV-1742 $\frac{5}{8}$ " Punch .....	1.25	$\frac{1}{2}$
AV-1743 $\frac{5}{8}$ " Die .....	.65	1
AV-1675 $\frac{5}{8}$ " Screw .....	.25	$\frac{3}{4}$
$\frac{3}{4}$ " No. 730 Radio Punch Complete.....	2.15	3
AV-113 $\frac{3}{4}$ " Punch .....	1.25	$\frac{3}{4}$
AV-114 $\frac{3}{4}$ " Die .....	.65	1 $\frac{1}{4}$
AV-322 $\frac{3}{4}$ " Screw .....	.25	1
$\frac{7}{8}$ " No. 730 Radio Punch Complete.....	2.15	4 $\frac{3}{4}$
AV-121 $\frac{7}{8}$ " Punch .....	1.25	1 $\frac{1}{2}$
AV-122 $\frac{7}{8}$ " Die .....	.65	2 $\frac{1}{4}$
AV-322 $\frac{7}{8}$ " Screw .....	.25	1
1" No. 730 Radio Punch Complete.....	2.35	6 $\frac{1}{2}$
AV-87 1" Punch .....	1.35	1 $\frac{1}{2}$
AV-88 1" Die .....	.75	3 $\frac{3}{4}$
AV-112 1" Screw .....	.25	1 $\frac{1}{4}$
1 $\frac{1}{8}$ " No. 730 Radio Punch Complete.....	2.50	7
AV-1763 1 $\frac{1}{8}$ " Punch .....	1.45	2 $\frac{1}{4}$
AV-1764 1 $\frac{1}{8}$ " Die .....	.80	3 $\frac{1}{2}$
AV-112 1 $\frac{1}{8}$ " Screw .....	.25	1 $\frac{1}{4}$
1 $\frac{1}{4}$ " No. 730 Radio Punch Complete.....	2.50	7 $\frac{1}{4}$
AV-91 1 $\frac{1}{4}$ " Punch .....	1.45	2 $\frac{1}{2}$
AV-92 1 $\frac{1}{4}$ " Die .....	.80	3 $\frac{1}{2}$
AV-112 1 $\frac{1}{4}$ " Screw .....	.25	1 $\frac{1}{4}$
1 $\frac{3}{8}$ " No. 730 Radio Punch Complete.....	2.50	7 $\frac{3}{4}$
AV-83 1 $\frac{3}{8}$ " Punch .....	1.45	2 $\frac{1}{2}$
AV-84 1 $\frac{3}{8}$ " Die .....	.80	4
AV-112 1 $\frac{3}{8}$ " Screw .....	.25	1 $\frac{1}{4}$
1 $\frac{1}{2}$ " No. 730 Radio Punch Complete.....	2.50	8
AV-115 1 $\frac{1}{2}$ " Punch .....	1.45	2 $\frac{3}{4}$
AV-116 1 $\frac{1}{2}$ " Die .....	.80	4
AV-112 1 $\frac{1}{2}$ " Screw .....	.25	1 $\frac{1}{4}$
1 $\frac{3}{4}$ " No. 730 Radio Punch Complete.....	2.50	9 $\frac{3}{4}$
AV-117 1 $\frac{3}{4}$ " Punch .....	1.45	3
AV-118 1 $\frac{3}{4}$ " Die .....	.80	5 $\frac{1}{2}$
AV-112 1 $\frac{3}{4}$ " Screw .....	.25	1 $\frac{1}{4}$
1 $\frac{7}{8}$ " No. 730 Radio Punch Complete.....	2.85	10 $\frac{1}{2}$
AV-119 1 $\frac{7}{8}$ " Punch .....	1.65	3 $\frac{3}{4}$
AV-120 1 $\frac{7}{8}$ " Die .....	.95	5 $\frac{1}{2}$
AV-112 1 $\frac{7}{8}$ " Screw .....	.25	1 $\frac{1}{4}$
1 $\frac{1}{2}$ " No. 730 Radio Punch Complete.....	3.20	12 $\frac{1}{4}$
AV-89 1 $\frac{1}{2}$ " Punch .....	1.90	4 $\frac{3}{4}$
AV-90 1 $\frac{1}{2}$ " Die .....	1.05	6 $\frac{3}{4}$
AV-112 1 $\frac{1}{2}$ " Screw .....	.25	1 $\frac{1}{4}$
1 $\frac{5}{8}$ " No. 730 Radio Punch Complete.....	\$4.75	18
AV-1794 1 $\frac{5}{8}$ " Punch .....	2.80	5
AV-1793 1 $\frac{5}{8}$ " Die .....	1.60	7
AV-249 1 $\frac{5}{8}$ " x 2 $\frac{1}{4}$ " Screw .....	.35	6
1 $\frac{3}{4}$ " No. 730 Radio Chassis Punch Complete.....	\$5.25	20
AV-1816 1 $\frac{3}{4}$ " Punch .....	3.10	6
AV-1815 1 $\frac{3}{4}$ " Die .....	1.80	8
AV-249 1 $\frac{3}{4}$ " x 2 $\frac{1}{4}$ " Screw .....	.35	6
1 $\frac{7}{8}$ " No. 730 Radio Chassis Punch Complete.....	\$6.00	26
AV-1791 1 $\frac{7}{8}$ " Punch .....	3.50	8 $\frac{1}{2}$
AV-1792 1 $\frac{7}{8}$ " Die .....	2.00	9 $\frac{1}{2}$
AV-304 1 $\frac{7}{8}$ " x 3" Drive Screw .....	.50	8
2" No. 730 Radio Chassis Punch Complete.....	\$6.20	29
AV-1756 2" Punch .....	3.70	10

#### NO. 730, RADIO PUNCHES (CONT.)

AV-1755 2" Die .....	2.20	11
AV-304 $\frac{3}{4}$ " x 3" Drive Screw .....	.50	8
2 $\frac{1}{4}$ " No. 730 Radio Punch Complete.....	6.20	37
AV-437 2 $\frac{1}{4}$ " Punch .....	3.20	11 $\frac{1}{2}$
AV-438 2 $\frac{1}{4}$ " Die .....	2.50	18
AV-304 $\frac{3}{4}$ " Screw .....	.50	7 $\frac{1}{2}$

#### NO. 731 SQUARE RADIO PUNCHES — LIST PRICES AND WEIGHTS (WT. IN OZ.)

	Price	Wt.
$\frac{5}{8}$ " No. 731 Square Punch Complete.....	\$3.35	4 $\frac{3}{4}$
AV-2891 $\frac{5}{8}$ " Square Punch .....	1.40	$\frac{3}{4}$
AV-2881 $\frac{5}{8}$ " Square Die .....	1.15	1 $\frac{1}{4}$
AV-2886 31/64" Drive Screw .....	.60	1 $\frac{3}{4}$
AV-2929 Drive Nut .....	.20	1
$\frac{3}{4}$ " No. 731 Square Punch Complete.....	3.90	6 $\frac{3}{4}$
AV-2882 $\frac{3}{4}$ " Square Punch .....	1.65	1
AV-2883 $\frac{3}{4}$ " Square Die .....	1.35	2 $\frac{1}{4}$
AV-2914 31/64" Drive Screw .....	.70	2 $\frac{1}{2}$
AV-2929 Drive Nut .....	.20	1
1" No. 731 Square Punch Complete.....	4.50	8 $\frac{3}{4}$
AV-2884 1" Square Punch .....	1.80	2 $\frac{1}{4}$
AV-2885 1" Square Die .....	1.50	2 $\frac{1}{4}$
AV-2887 31/64" Drive Screw .....	1.00	3 $\frac{1}{4}$
AV-2929 Drive Nut .....	.20	1

#### NO. 732 "KEY" RADIO PUNCHES — LIST PRICES AND WEIGHTS (WT. IN OZ.)

	Price	Wt.
15/16" No. 732 "Key" Punch Complete.....	\$3.75	8 $\frac{1}{2}$
AV-2972 15/16" Die .....	1.00	1 $\frac{3}{4}$
AV-2973 15/16" Punch .....	1.50	2 $\frac{1}{2}$
AV-2974 31/64" Drive Screw .....	1.05	3 $\frac{1}{4}$
AV-2929 Drive Nut .....	.20	1
1-11/64" No. 732 "Key" Punch Complete.....	4.00	10 $\frac{3}{4}$
AV-3256 1-11/64" Die .....	1.10	3
AV-3257 1-11/64" Punch .....	1.60	2 $\frac{3}{4}$
AV-3258 31/64" Drive Screw .....	1.10	4
AV-2929 Drive Nut .....	.20	1
1-17/64" No. 732 "Key" Punch Complete.....	4.25	12 $\frac{1}{2}$
AV-2975 1-17/64" Die .....	1.15	3
AV-2976 1-17/64" Punch .....	1.70	4
AV-2977 31/64" Drive Screw .....	1.20	4 $\frac{1}{2}$
AV-2929 Drive Nut .....	.20	1
1-21/64" No. 732 "Key" Punch Complete.....	4.50	12 $\frac{1}{2}$
AV-3262 1-21/64" Die .....	1.25	4
AV-3263 1-21/64" Punch .....	1.80	2 $\frac{1}{2}$
AV-3264 31/64" Drive Screw .....	1.25	4 $\frac{3}{4}$
AV-2929 Drive Nut .....	.20	1

#### NO. 733 "D" RADIO PUNCHES — LIST PRICES AND WEIGHTS (WT. IN OZ.)

	Price	Wt.
$\frac{1}{2}$ " No. 733 "D" Punch Complete .....	\$3.50	2
AV-3032 $\frac{1}{2}$ " Die .....	1.00	$\frac{1}{2}$
AV-3033 $\frac{1}{2}$ " Punch .....	1.50	$\frac{3}{4}$
AV-3034 $\frac{1}{2}$ " Drive Screw .....	.75	1
AV-3035 Drive Nut .....	.25	$\frac{1}{4}$
$\frac{5}{8}$ " No. 733 "D" Punch Complete.....	\$3.75	2 $\frac{1}{2}$
AV-4240 $\frac{5}{8}$ " Punch .....	1.60	$\frac{3}{8}$
AV-4239 $\frac{5}{8}$ " Die .....	1.10	5 $\frac{3}{8}$
AV-4241 5/16" Drive Screw .....	.80	1 $\frac{1}{8}$
AV-3035 Drive Nut .....	.25	$\frac{3}{8}$